

**Scientific Notation**

A) Compare the numbers written in scientific notation using  $<$ ,  $>$ , or  $=$ .

1)  $3.52 \times 10^2$    $5.312 \times 10^0$

2)  $4.6 \times 10^{-3}$    $3.66 \times 10^{12}$

3)  $4.9752 \times 10^{-8}$    $6.8515 \times 10^9$

4)  $3.007 \times 10^7$    $3.007 \times 10^7$

5)  $9.25 \times 10^9$

$10^{11}$    $8.6254 \times 10^{-6}$

7)  $1.2542 \times 10^3$

$10^{-5}$    $5.28 \times 10^{-5}$

9)  $3.5466 \times 10^{-4}$

$< 10^0$    $2.5 \times 10^{-11}$

B) 1) Which of the following is greater than  $2.08 \times 10^7$ ?

a)  $8.1242 \times 10^7$

d)  $5.023 \times 10^{-6}$

2) Which of the following is greater than  $2.08 \times 10^7$ ?

a)  $2.8 \times 10^7$

b)  $9.7 \times 10^{-2}$

c)  $4.538 \times 10^7$

d)  $2.154 \times 10^{-12}$

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